



PRE-BID CONFERENCE

Project No. 2019-14: Construction of 300cu.m. Elevated Steel Tank
(MSU Compound, General Santos City)

August 2, 2019, 1:30pm
GSCWD Bldg., Boardroom, General Santos City

MINUTES OF THE PROCEEDINGS

I. Attendance

BAC Members

Ferdinand S. Ferrer, MPA	-	Chairperson
Engr. Rogelio A. Besana, Jr.	-	Vice Chairperson
Francisco R. Alolod Jr., CPA	-	Member
Engr. Cornelio T. Turija, Jr	-	Member
Samcelle B. Valenzuela	-	Member
Maritess P. Primaylon	-	Member
Engr. Michael Gabales	-	TWG Head
Judy Lim-Pasman	-	TWG
Engr. Celia N. Dandan	-	TWG

Bidders

Jullien Isagan	-	LHE Construction
Engr. Juvenal Bantoto	-	GYJ Construction
Jimmel Villamor	-	SPCC
Edward Soria	-	Dumalag Engineering
Regan Gallinero	-	Fastruct

BAC Secretariat

Agnes P. Tampico
Rauline Kaye F. Autida

II. Call to Order

The conference was called to order at 1:30 pm and was presided by the BAC Chairperson, Ferdinand S. Ferrer, MPA.

BAC Secretary Rauline Kaye F. Autida went over the attendees. Five (5) prospect bidders attended the pre-bid conference, namely: LHE Construction, GYJ Construction, SPCC, Dumalag Engineering, Fastruct.

There were no representatives from the Commission on Audit, Kiwanis and PICE who were invited to observe and witness the conduct of the Pre-Bid Conference.

III. Highlights of the Proceedings

As to the Bidding Process

BAC Member, Engr. Cornelio Turija, Jr. discussed the following points:

- The Approved Budget for the Contract (ABC) is *Twelve Million Eight Hundred Twelve Thousand Eight Hunderd Ninety Pesos Only (Php 12,890,890.00)*.
- It was discussed to the prospective bidder the two-envelope system and the components for each envelope. The First envelope is composed of the Class A Eligibility & Technical Documents and the second envelope is the Financial component.
- The following are the Class A Eligibility Documents:
 - PhilGEPS Certificate Registration and membership in accordance with Section 8.5.2 of this IRR, except for foreign bidders participating in the procurement by a Philippine Foreign Service Office of Post.
 - Must attach Certificate of PhilGEPS Registration – **Platinum Membership** and its Annex A, as proof of submission of Eligibility Documents.
 - Bidders were reminded that if any requirement in the Annex A is found expired (*except for Tax Clearance*), they can attach their proof of renewal process (e.g. receipts).
 - Statement of all its ongoing and completed government and private projects within two (2) years (civil, structural steel works, pile driving) prior to the deadline of the submission, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.
 - Bidder/s may submit ongoing or completed projects of *civil, structural works, and pile driving (projects similar to the contract to be bid)*
 - Supporting documents include: Notice of Award and Notice to Proceed
 - Statement identifying the bidder's Single Largest Completed Contract (SLCC) or similar to the contract to bid. The statement shall include the following: a) name of contract, b) date of contract, c) contract duration, d) owner's name and address, e) nature of work, f) contractor's role, g) total contract value at award, h) date of completion or estimated completion, if applicable, i) percentages of planned and actual accomplishments, if applicable, j) value of outstanding works, if applicable.
 - SLCC must be at least 50% of the Project ABC.
 - Philippine Contractors Accreditation Board (PCAB) License
 - Small B Category
 - NFCC Computation in accordance with ITB Clause 5.5; K = 15.
 - NFCC figures must coincide with the figures in the PhilGEPS Annex A
 - The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements (AFS) submitted to the BIR
- Here are the composition of the Technical Documents:
 - The Bid Security shall be limited to Bid Securing Declaration or at least one (1) other form in accordance with the following amount:
 - Cash (2% of ABC) = Php 256,257.80
 - Cashier's / Manager's Check issued by a Universal or Commercial Bank (2% of ABC) = Php 256,257.80
 - Bank Draft / guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank. (2% of ABC) = Php 256,257.80
 - Surety Bond (5% of ABC) = Php 644,540.60 valid *until* December 14, 2019 and shall be accompanied by a certification by the Insurance Commission that the surety or insurance company is authorized to issue such instruments. Only those bid securities procured from commercial and universal banks shall be allowed.



- Project Requirement, include:
 - Organizational Chart
 - List of Contractors Personnel (ref. BDS Clause 12.1 (b)(ii.2))
 - List of Contractors Equipment (ref BDS Clause 12.1 (b)(iii.3))
 - For equipment owned, present official receipt or any proof of payment
 - For equipment leased, present lease of contract of any memorandum of agreement
- Sworn Statement in accordance with Section 25.2(a)(iv) of the IRR of RA 9184, using the form prescribed in Section IX of Bidding Forms, notarized.
- Other reminders:
 - The Financial Component includes 1) Bid Prices in the Bill of Quantities, 2) Detailed estimates, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the bid, and 3) Cash flow by quarter or payment schedule.
 - Prospective bidders are instructed to provide one (1) original and four (4) photocopies of the documents for each component. The BAC prefers bid documents be identified with ticklers for easy location of file/s to be evaluated during opening of bids.
 - Deadline of Bids: August 14, 2019, 12:00nn; late bids shall be declared "late" and shall not be accepted.

As to the Technical Specifications

Engr. Ma. Celia N. Dandan discussed the Technical Specifications.

PROJECT TITLE: CONSTRUCTION OF 300 CUBIC METER ELEVATED STEEL TANK

LOCATION: MSU COMPOUND, BRGY. FATIMA, GENERAL SANTOS CITY

OWNER: GENERAL SANTOS CITY WATER DISTRICT

SCOPE OF WORK

The work consists of furnishing of all the required labor, equipment, tools, scaffolding, services and materials up to the contract limit for the completion of the proposed project as specified herein:

- 1) The Contractor shall build a 300 Cubic Meter Elevated Steel Tank, where necessary piping and other appurtenances shall be in accordance with the approved plans and specification.
- 2) Perform excavation on any type of soil and backfilling using suitable materials and disposal of undesirable surplus materials where directed.
- 3) Installation of pipes, fittings, closure pieces, supports, bolts, nuts, gaskets, jointing materials and appurtenances as shown and specified, and as required for a complete and workable piping system.
- 4) Flushing, leak testing and disinfection of the Steel Tank.
- 5) Pipes and valves shall be supplied by GSCWD, wherein installation shall be done by the contractor.

BIDDERS / CONTRACTORS QUALIFICATION

Bidders / Contractors who are fully experienced and reputable in the field of construction.

BIDDERS / CONTRACTORS COMPETENCE AND EXPERIENCE

Bidder / Contractors should have at least two (2) years' experience in civil, structural steel works and had completed at least two (2) related construction projects in any Government or Private Institutions from the date of submission and receipt of bids.

ENGINEER AUTHORITY

The Engineer, acting as the authorized representative of the Owner, will decide such questions which may arise as to the quality and acceptability of materials and equipment furnished, work performed, rate of



progress of work, interpretation of Specifications and Drawings, and those relating to the acceptability in fulfillment of the Contract by the Contractor.

The Engineer will, subject to verification and / or approval by the Owner, certify the estimates of the value of the work completed and the materials utilized.

RESIDENT ENGINEER'S OFFICE

The Contractor shall provide space as temporary office (Bamboo House or "Payag") in the field for use by the Resident Engineer.

CONTRACTOR'S EMPLOYEES

The employees of the Contractor are not employees of the Owner. Hence, the Owner shall not be liable or responsible for any personal injury or damage including death caused by any of the employees of the contractor during the lawful performances of their duties

CONTRACTOR'S SUPERINTENDENCE

A qualified superintendent shall be present in the work and shall provide competent supervision of the work, until its completion. The superintendent shall have full authority to act in behalf of the contractor, and all directions given by the Owner to the superintendent shall be considered given to the contractor.

INSPECTION AND TESTING

All materials furnished and all work performed under the Contract shall be subject to inspection by the Owner. The Contractor shall be held strictly to the true intent of the Specifications and Drawing in regard to quality of materials, workmanship and diligent execution of the Contract.

SUSPENSION OF WORK

The Engineer, acting on behalf of the Owner may, by written notice to the Contractor, suspend the work in whole or in part for such period or periods as he may deem necessary, owing to such factors as delay in delivery of Owner furnished equipment or materials, or such other conditions as are considered unfavorable for prosecuting the work, or failure on the part of the Contractor to carry out the provisions of the Contract or to provide materials or workmanship meeting the requirements of the Specification.

CHANGE ORDERS

For a unit-price contract, quantity overruns or underruns shall be covered by a Change Order duly approved by the Owner.

EXTENSION OF TIME

To receive consideration, a request for time extension must be made in writing to the Owner through the Engineer stating therein the reason for said request and must be received by the Owner at least Thirty (30) days prior to the **expiration of the Contract time**. Failure to observe this reglementary period shall be a ground for outright denial of the request for time extension.

LIQUIDATED DAMAGES

The Contractor shall pay liquidated damages to the Owner if he fails to complete the work within the time agreed upon. It is understood that said payment is not a penalty but a fixed sum representing the liquidated damages for each calendar day of delay.

Computation of the said liquidated damages shall conform to the provision of RA 9184.

MONTHLY PROGRESS REPORT

The Contractor is required to submit to the Owner two (2) copies of Monthly Progress Report which shall include the following;

- a) Items of work accomplished for the month;
- b) Cumulative summary of work accomplished to date;
- c) Items of work scheduled for the following month.
- d) Project photos for the month.
- e)

The first Monthly Progress Report will cover the time from the date when the Notice to Proceed is issued until the end of the following month. Subsequently, monthly reports shall be submitted monthly thereafter until provisional acceptance of the project.

MONTHLY COORDINATION MEETING

There will be a monthly coordination meeting be conducted every Two (2) weeks of the month to discuss issues and concerns of the project.

CONTRACT DURATION

Contract duration is **One Hundred Fifty (150) Calendar days that shall commence Five (5) Days after the receipt of Notice to proceed.**

CONTRACT COMPLETION

Once the project reaches an accomplishment of 95% of the total contract amount, upon the request of the Contractor, may create an inspectorate team to makè the preliminary inspection and submit a punch-list to the Contractor in preparation for the final turnover of the project. Said punch-list will contain, among others, the remaining works, works deficiencies for necessary corrections and the specific duration / time to fully complete the project as agreed upon by the Owner and the Contractor.

FINAL ACCEPTANCE

Final acceptance shall be understood as the acceptance of the project by the Owner. A Certificate of Final Acceptance shall be issued thereof upon release of 10% retention money by the District and posting of corresponding surety bond on the part of the Contractor. The latter shall also be entitled to the release of final payment. A Certificate of Project Completion may, however, be issued prior to the final acceptance of the project.

INSPECTION OF PROJECT SITE

The Contractor shall inspect the site of the work in order to satisfy themselves by personal examination and/or by such other means as they may prefer, of the location of the proposed work and the actual visualization of the work to be done. He should be aware of the conditions which might affect the execution of this contract and has made provisions therefore in his bid.

- Bidder may request for GSCWD's assistance for the location inspection.

PERMIT AND LICENSES

During the project implementation any coordination or compliance required to the concerned agencies shall be the sole responsibility of the Contractor. The Owner shall provide all assistance whenever necessary.

CONTRACTOR'S PERFORMANCE

A negative slippage of 15% and above within the critical path of the project due entirely to the fault or negligence of the contractor shall be a ground for blacklisting. The rules and procedures provided under GPPB (Government Procurement Policy Board) Resolution No. 40-2017 dated December 21, 2017, Approving the Revised Guidelines for Blacklisting of Manufacturers, Suppliers, Distributors, Contractors and Consultants, shall apply thereof.

**GENERAL SANTOS CITY WATER DISTRICT**

E. Fernandez St., Brgy. Lagao, General Santos City

Telephone No.: 552-3824; Telefax No.: 553-4960

Email Address: gscwaterdistrict@yahoo.com**PUBLIC SAFETY AND HEALTH REGULATIONS**

The Contractor shall comply with safe working practices and all health and safety regulations of the state and local health regulations of the state and local health regulatory agency. Furnish protective and lifesaving equipment for persons working at the site and provide a **Contractor's All Risk Insurance** for all his workers.

THIRD PARTY LIABILITY

The Owner shall in no case be held civilly or criminally liable due to the act or omission of the Contractor during the duration of the contract period. Any liability that may arise to the third party shall be the sole responsibility of the contractor.

TANK REQUIREMENTS

1. The materials, fabrication and erection of the welded steel tank shall conform to:
 - a. AWWA Standard D100, Standard for Welded Steel Tanks for Water Storage, latest edition.
 - b. AWWA D102, Standard for Coating Steel Water-Storage Tanks
 - c. AWWA C652, Disinfection of Water-Storage Facilities
 - d. ASTM 2005b, structural Steel
 - e. ASTM A36, Angles and Plates

2. The reservoir shall be furnished with piping and appurtenances as shown on the plans and as follows:
 - a. Inlet pipe
 - b. Overflow pipe
 - c. Outlet pipe w/ stainless steel strainer
 - d. Drain Box
 - e. Roof Man way with hinged cover
 - g. Outside ladder with handrails
 - h. Stainless screened roof vent
 - i. Aluminum Framed Water level indicator
 - j. General Santos City Water District Logo

REINFORCED CONCRETE*a. Cement*

Except as may be otherwise provided in these specifications, cement shall conform to the "Standard Specifications for Portland Cement" (ASTMC-150-Latest Revision) and shall be Type I. The cement shall be in accordance with DPWH standards e.g. "Holcim or Hex cement" and shall not be more than **three (3) months** from date of manufacture.

*b. Concrete Aggregates**c. Water**d. Reinforcing Steel*

All reinforcing steel bars used shall be of deformed type, new, free from rust, oil, defects, greases, or kinks. They shall conform with the latest edition of National Structural Code for building with a minimum grade equal to **275 MPa (Grade 40)** unless otherwise shown on the plans.

*e. Admixture**f. Calcium Chlorine***STORAGE OF MATERIALS**

Cement and aggregates shall be stored in such a manner as to prevent deterioration or intrusion by foreign matter. Any material which has deteriorated or which has been damaged shall not be used for concrete. Steel shall be stored under cover or otherwise prevented from rusting.



TESTING OF MATERIALS

Test specimen for steel reinforcement shall be Three (3) pieces, 1 meter long of steel bar sample should be secured of the following: 36mmØ-21tons, 25mmØ-15tons, 20mmØ-3tons and 10mmØ-360 kgs.

Testing for steel reinforcement shall be 3 tests to be tested at testing laboratory for Tension, Bend and Variation of weight test.

All structural steel materials for the columns and support shall conform to ASTM A36 "Standard Specification for Carbon Structural Steel"

Testing for Steel Plates shall be tested for Plate thickness, Tensile Strength Properties, Bending Properties and Elongation/Deformation Measurement.

Sample should be cut Dumbbell Shape or Equivalent approved by GSCWD.

Expenses for the testing and cost of transporting samples to testing laboratory shall be borne by the Contractor. Copies of results of tests shall be furnished to the Owner promptly.

CONTROLLED STRENGTHS OF CONCRETE

- a. Concrete for the structural elements, including slabs on grade within water-retaining structures and stairs shall develop a **minimum 28-day compressive cylinder strength of 20.68 MPa (3,000 psi)**, unless otherwise specified in the plans.
- b. Concrete for non-structural elements such as cradles, unreinforced encasements, thrust blocks, and partition walls shall develop minimum 28-day cylinder strength of **17.25 MPa (2500 psi)**, unless otherwise specified in the plans.
- c. Leveling concrete under reservoir base slabs/foundations shall have **minimum 28-day cylinder strength of 14 MPa (2,000) psi**.

OFFSETS AND SPLICES IN REINFORCEMENT

The winning bidder shall submit bar cutting list and installation schedule for approval by the procuring entity.

TEST ON CONCRETE

The Owner will require Six (6) samples per pouring in preparation for testing on concrete to be made during the progress of the work. Two (2) cylindrical specimens shall be made for each tests on the 7th, 14th, 28th days respectively. Noting the samples must be cured at the jobsite and the contractor shall provide the necessary pond or drum for the said samples. Samples shall be secured and molded in accordance with the "Standard Method of Sampling Fresh Concrete" (ASTM C-172-Latest Revision) and "Standard Method of Making and Curing Test Specimen on the field" (ASTM C-31-Latest Revision). Strength test shall be made in accordance with the "Standard Method of Test For Compressive strength of Cylindrical Concrete Specimens" (ASTM C-39-Latest Revision).

- **Cost is borne by the contractor.**

LIQUIDATED DAMAGES (FOR FAILURE TO MEET CONCRETE STRENGTH REQUIREMENTS)

For failure to meet the specified strengths of concrete which has been designed, prepared, and deposited by the Contractor, the Contractor shall pay the Owner as liquidated damages, not as penalty or forfeiture, the following schedule applied on the amount of concrete represented by the samples.

- a. For concrete LESS THAN 100% to 95% of specified strengths, payment of ten percent (10%) of the unit bid cost per cubic metre of concrete.
- b. For concrete LESS THAN 95% to 85% of specified strengths, payment of fifteen percent (15%) of the unit bid cost per cubic metre of concrete.

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- c. For concrete LESS THAN 85% of the specified strength, removal of the concrete so deposited and the replacement of same at the expense of the Contractor. In any case of failure to meet the specified strength, the Contractor may at his own expense obtain other method of testing such as core test, rebound hammer etc., by competent testing laboratory provided the test shall not impair the safety of structure.
- d. In every test conducted at 28 days no samples must be below Eighty Five percent (85%).

Structural & Reservoir Materials

All materials shall comply with AWWA D-100 latest edition, ASTM 2005b for structural steel, ASTM A36 for angles and plates, new, previously unused, and in first class condition.

a. Structural Steel

Structural Steel column shall be W 12 x 120 (wide flange), 2L- 125x125x10 for Horizontal and diagonal member, 12mm thk for connecting/gusset plate and 36mmØ horizontal bracing sch. 40 plain round bar with standard turn buckle.

b. Bottom and Shell Plates

Bottom & Shell plates shall be 8mm in thickness fabricated to the dimensions shown on the approved plans. Shell plates shall be fabricated to match adjoining plates.

c. Roof Plates

Roof plates shall be 8mm in thickness. Plates shall be fabricated as shown in the approved plans.

d. Ladder, Safety Cage and Balcony

Shall be fabricated as shown in the approved plans.

EARTHWORKS**SOIL INVESTIGATION**

The contractor shall conduct soil investigation 2 bore holes 20 meters depth for the proposed reservoir site to determine the actual soil bearing capacity.

COMPACTION TEST**EXCAVATION****ERECTION OF STEEL RESERVOIR STRUCTURE****Welding**

All welding shall be the shielded arc method and shall conform to the AWS "Code for Arc and Gas Welding in Building Construction". Welder's minimum qualification shall be TESDA equivalent passers with Certificate provided.

All welds in the tank and structural attachments shall be made in a manner to ensure complete fusion with the base material, within the limits specified for each joint, and in accordance with the qualified procedure.

For the installation of shell plate, structural steel & web member weld shall be at:

- a. Inside Joint – 1st Pass
- b. Outside Joint – 2 -3 Passes

Preparation of Surface to be welded

Surfaces to be welded shall be free from loose scale, slag, heavy rust, grease, paint, and any other foreign material except tightly adherent mill scale. A light film of deoxaluminat or equivalent spatter film compound may be disregarded. Such surfaces shall be smooth, uniform, and free from fins, seams, and other defects that adversely affect proper welding. A fine film of rust adhering on cut or sheared edge after wire brushing need not be removed.



Tack Welds

Tack welds used in the assembly of joints subject to primary stress from the weight or pressure of the tank contents shall be thoroughly cleared of all welding slag, but need not be removed, provided they are visually inspected for soundness (no cracks, complete fusion, filled crafters, and acceptable profiles) and metal.

Tank Assembly

All shell, bottom and roof plates subjected to stress by the weight or pressure of the contained liquid shall be assembled and welded in such a manner that the proper curvature of the plates in both directions is maintained.

1. Clips, jigs, or lugs welded to the shell plates for erection purposes shall be removed without damaging the plates, and any portion of the weld beads remaining shall be chipped or ground smooth.
2. For welding in the vertical position, the progression of welding shall be either upward or downward.
3. The shell plates shall be joined by welding the joints in a sequence that the Contractor has found to result in the least distortion due to shrinkage of the weld and that will avoid kinks at the longitudinal joints.

Matching Plates

Lap Joints

Cleaning of Welds

Butt joints

GALVINIZING

All structural steel plates, shapes, bars, and fabricated assemblies shall be galvanized after the steel has been thoroughly cleaned of rust and scale, in accordance with ASTM A123 – Specifications for Hot-Galvanized Coatings on Products Fabricated from Rolled, Pressed and Forged Steel Shapes, Plates, Bars and Strip.

Testing and Disinfection of Reservoir and appurtenant piping

General

The operation of testing and disinfecting the reservoir shall be combined. Any leaks found after the reservoir is filled shall be repaired and the disinfection procedures repeated to the satisfaction of the Engineer.

Cleaning

Prior to disinfecting, the reservoir shall be thoroughly cleaned by hosing down with a high pressure hose and nozzle of sufficient size to deliver a minimum flow of 3.15 L/s (50gpm).

Disinfecting

A strong chlorine solution (200mg per liter) shall be sprayed on all interior surfaces of the reservoir. Following this the reservoir shall be partially filled with water to a minimum depth of approximately 30 cm (1.0 ft). During the filling operation, a chlorine water mixture shall be injected by means of a solution feed chlorinating device. The dosage applied to the water shall be sufficient to give a chlorine residual of at least 50mg per liter upon completion of the partial filling operation. Precaution shall be taken to prevent the strong chlorine solution from flowing back in to the lines supplying water.

Retention Period

Chlorinated water shall be retained in the reservoir and in the appurtenant piping long enough to destroy all non-spore-forming bacteria and, in any event, for at least twenty-four (24) hours. After the chlorine-treated

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water has been retained for the required time, the chlorine residual in the reservoir and in the lines shall be atleast 25mg per litre. All valves shall be operated while the lines are filled with the heavily chlorinated water.

Chlorine test kit

To measure the chlorine residual during the conduct of disinfection shall be provided by the Contractor.

PIPING

All exposed steel pipes shall be Epoxy Coated and Epoxy Lined Spiral, EC/EL Welded Steel pipes shall be used in piping works as specified on the drawings. Steel Pipes sizes and thickness are the following:

- 300 mm dia. - 7.92 mm
- 250 mm dia. - 6.35 mm
- 200 mm dia. - 6.35 mm

Steel pipes shall be supplied by GSCWD except flanges.

All steel flanges shall have a minimum thickness of 19mm (3/4 inch) and bolts, nuts and washer must be hot dip galvanized.

VALVES

All gate valves and butterfly valves shall conform to the "Standard for Resilient Seated Gate Valve" (AWWA C509 and C504, respectively). Designed for a minimum water working pressure of 1 MPa (150psi). All valves must be manufactured by AVK with 10 years warranty. All valves shall be supplied by GSCWD

- Purely installation shall be the winning bidder / constructor's responsibility.

PAINTING AND COATINGS

The following surfaces are to be painted but not limited to:

- a. All submerged metal surfaces
- b. All structural and miscellaneous steel
- c. Steel Tank shell, roofing, exterior and interior surfaces
- d. All above ground piping and other metal surfaces
- e. All exposed concrete

SURFACE PREPARATION

All structural steel and tank shell plate inside and outside shall be free from dirt, scale, and rust removed by scrapping, wire brushing and sandblasting. All welded joints should be cleared of slag and weld spatter. Before painting, ferrous metal surfaces, including galvanized ferrous metal surfaces, shall be pretreated with approved phosphoric acid etching cleaner in accordance with manufacturer's direction.

Steel Tank Shell**a. Exterior**

First Coat: Epoxy Primer
Second and Third Coats: Blue finish paint

b. Interior

First Coat: Non-toxic epoxy primer and food grade with manufacturer's certification supplied
Second and Third Coats: Non-toxic epoxy white food grade enamel with manufacturer's certification supplied



- Bidder suggested that it is better if the sandblasting is before the fabrication, and then soft blasting after fabrication. However, as per standard preparation, it shall be sandblasting before primer and fabrication.
- Bidder inquired the standard in preparation of painting and coating. And as per requirement, inner paint shall be according to the specification aforementioned.

Equipment

Contractor shall provide the following equipment for the project's completion but not limited to:

Quantity	Description
1	10 tonner Crane or equivalent
1	Generator Set for transformer type welding machine
2	Engine Driven Welding Machine or Transformer Type
1	Bar Cutter
1	Transit Mixer
1	Water Truck
1	Pumpcrete
2	Concrete Vibrator
2	Tamping Rammer or Plate Compactor
2	Oxy-Acetylene cutting outfit
2	Power Brush/Grinder
6	Concrete Sample Cylinder

The Contractor shall be required to include the list of their equipment in the technical documents and specify whether the same is leased or owned. If leased, the Contractor shall provide a Lease/Memorandum of Agreement

During post-qualification, GSCWD shall conduct inspection to verify the availability of the listed equipment. Absence of any one of the required equipment is ground for disqualification.

- No brand is required for the equipments as long as bidders / constructors comply to the GSCWD's list of equipments.
- In case equipment is rented, bidder / constructor may present lease of agreement.
- The bidders were reminded that there is no electricity in the area. Therefore high-tension power equipments shall not be catered.

VARIATION IN QUANTITIES

Bidders are reminded that the quantities are estimated and are for the purpose of comparing bids. The successful bidder shall complete all work items at the unit prices quoted in his bid, regardless of the variation between bid quantities and actual quantities required for completion of the work. Payment will be based on actual quantities furnished, installed or constructed.

PROJECT TURNOVER

During the project's turn-over, Contractor is required to submit as-built plan. The contractor's deliverables are 100 percent accomplished either on each part and the site restored as is prior to construction.

LOGBOOK

A logbook shall be maintained by the Contractor and Engineer at all times in the project site reflecting the daily work activity, visitors, time extension, work suspension, change/extra work orders and circumstances affecting the program of work to be signed by both the Engineer and Contractor.



- There is no Project Supervisor but a GSCWD Resident Engineer will be assigned to monitor the project.

PROJECT SIGNS / COA SIGNBOARD

The Contractor shall furnish, erect and maintain one (1) project sign and one (1) COA signboard in accordance with the Standard Drawings. The location for the erection of these signs by the Contractor shall be as directed by the Engineer.

ON-SITE INSPECTION AND TESTING

All materials furnished and all work performed under the contract shall be subject to inspection by the Owner. The contractor shall be held strictly to the true intent of the Specifications and Drawing in regard to quality of materials, workmanship and diligent execution of the Contract.

PLANS AND SPECIFICATIONS

All works, that may be called for in the specifications and not shown in the plans or vice versa, shall be executed and finished as if described in both. Should any work required which is not denoted on either plans and specifications either directly or indirectly, it is understood that same shall be implied and required and shall be performed and furnished such materials and layout as fully as if it has been so described.

CLARIFICATIONS

Queries	BAC Response
Bidder queried if Materials Engineer is necessary for Boring for soil test	BAC stated that Materials Engineer is not necessary since the soil test is for verification purposes only.
Bidder queried about the testing of materials, whether it is required to have samples before purchasing	Inspection / Testing shall be upon delivery of materials on-site. Also, prospect bidders were reminded that no cutting, welding or fabrications must be done unless result from rebars are released.
Bidder requested for an additional 30 days for the project	The BAC, together with the present prospect bidders, agreed that the contract duration shall be amended from 150 days to 180 days.
Bidder queried regarding the total Tank Height	Total measurement from Bottom to Ground is 27.5.
Bidder inquired of the cost of bidding documents	The GSCWD follows the costing of Bid Documents as regulated by the RA 9184. And as for this project, the cost of bid document is Php 25,000.00.

ADDENDUM

Amendment	From	To
Contract Duration	Contract duration is <i>One Hundred Fifty (150) Calendar Days</i> that shall commence five (5) days after the receipt of Notice to Proceed.	Contract duration is <i>One Hundred Eighty (180) Calendar Days</i> that shall commence five (5) days after the receipt of Notice to Proceed.

IV. Adjournment

There having no other remaining topic to be discussed, the Pre-Bid Conference was adjourned at 4:00pm.

Prepared by:

ky
RAULINE KAYE F. AUTIDA
BAC Secretary

Checked by:


AP
AGNES P. TAMPICO
Head, BAC Secretariat




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GPM-032-2

Reviewed by:


ENGR. MA. CELIA N. DANDAN
TWG Member


ENGR. MICHAEL GABLES
Head, TWG

Attested and approved by:

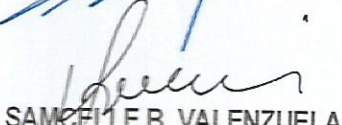

FERDINAND S. FERRER, MPA
BAC Chairperson

In conformity with the Bids and Awards Committee:



ENGR. ROGELIO A. BESANA, JR.
Vice Chairperson

BAC Members:


ENGR. CORNELIO T. TURIYA, JR.


SAMCELLE B. VALENZUELA


FRANCISCO R. ALOLOD, JR. CPA


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